



Attorney Docket No.: 015685.P032

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

FEB 19 2002

Technology Center 2600

In re Application of:

Louis C. Yun, et al.

Application No.: 09/437,764

Filed: November 9, 1999

For: DOWNLINK SIGNAL PROCESSING IN CDMA
SYSTEMS UTILIZING ARRAYS OF ANTENNAE

Art Unit: 2662

Examiner: J. Logsdon

Assistant Commissioner for Patents
Washington, D.C. 20231

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Mary E. Wainner 12.22.01

Signature

Date

AMENDMENT

Dear Sir:

In response to the Office Action mailed June 20, 2001, please enter this
amendment and consider the following remarks.

IN THE CLAIMS

1. (Amended) A method to determine a cellular communication base station (BS)
antennae array weight set corresponding to a subscriber unit (SU), comprising:

transmitting a plurality of pilot downlink signals from the BS to the SU, each pilot
downlink signal processed with a different weight set than the other pilot downlink
signals;

receiving a report signal for at least one of the pilot downlink signals; and